

IN THE CLAIMS:

1.-25. (Cancelled)

26. (Currently amended) System according to Claim ~~22~~ 44, wherein a probe ~~oxygen~~ is provided to supply oxygen to the mask interior.

27. (Previously amended) System according to Claim 26, wherein an excess oxygen opening is provided in the probe.

28. (Currently amended) System according to Claim ~~23~~ 44, wherein openings are provided in the mask for gas exchange between the mask interior and outside air.

29.-43. (Cancelled)

44. (New) System for determining carbon dioxide content of exhaled air, comprising

a mask surrounding a patient's mouth and nose;

a mask adapter configured to receive an air tube connected with an interior portion of the mask to supply the exhaled air; and

a sensor adapter in which an analysis duct is arranged and which is detachably fitted on the mask adapter;

a sensor is detachably fastened to the sensor adapter for generating measuring signals proportional to the carbon dioxide content of the exhaled air in the analysis duct; and

an evaluation device which is connected to the sensor and has indicating devices, wherein

pl the air tube is operatively connected to one end of the analysis tube with a small dead volume of the air tube and the analysis duct such that the exhaled air is acted upon only by a pressure causing characteristic flow in the air tube and the analysis duct, and the analysis duct is open to the outside air at another end thereof during a measurement operation.

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